CLAIMS

1. A telecommunication network comprising an ATM network, **characterized by**

- means connected to the ATM network for identifying a telephone call which enters the ATM network at a first port,
- means for identifying the port in the ATM network through which the call is to exit, and
- means for returning the address of the exit port to the entry port, or for forwarding the address of the entry port to the exit port, whereby the call can be switched directly through the ATM network.

2. A network according to claim 1, **characterized by**
- means connected to the means for identifying the exit port and to an STM switch for emulating an STM connection to the STM switch.

3 A network according to ~~any of claims 1 - 2~~ Claim 1, **characterized by** means for establishing a new switched connection through the ATM network for each new telephone call by using ATM signalling.

4. A method for setting up a voice connection in an ATM network, **characterized by** steps of
- identifying the entry port at which the connection enters the ATM network,
- identifying the address of the output port at which the connection is to exit from the ATM network,
- returning the address of the exit port to the entry port, or forwarding the address of the entry port to the exit port, whereby the entry port can direct the voice traffic directly to the output port only using the ATM switching in the ATM network.

5 A method according to claim 4, **characterized in** that the connections through the ATM network are established using ATM signalling.

6. A method according to ~~any of claims 4 - 5~~ Claim 4, **characterized in** that information for call identification is sent together with the address in order to correlate the address with the call.

7. A unit for emulating a STM connection to a narrowband switch connected to a telecommunication network comprising an ATM network, **characterized by**

- means for storing path requests received from the narrowband switch,

- means for acknowledging paths requests to the narrowband switch, and

- means for associating an incoming port with an outgoing port.

8. A unit according to claim 7, **characterized by**

- means for contacting broadband terminals connected to the telecommunication network.

9. A unit according to claim 8, **characterized by**

- means for sending the address of one broadband terminal to another broadband terminal connected to the same network.

10. A unit according to claim 9, **characterized in** that the address sent is the ATM End System Address (AESA).

11. A unit according to ~~any of claims 9 or 10,~~ Claim 9 **characterized by**

- means for sending call identification information for correlation to the address.

12. A unit according to claim ~~any of claims 7 - 11,~~ Claim 7 **characterized by**

- means for deciding if an already existing connection via the ATM network is to be used or if a new ATM connection is to be established.